

HALOGEN SCAVENGER FOR POLYMERS AND COPOLYMERS

Abstract of the Disclosure

A halogen scavenging system is provided for inhibiting the corrosion-causing tendency and coloration of halogen-containing olefin polymers or copolymers, comprising incorporating about 0.01% to about 1% of a hydrotalcite-like solid solution having the formula  $\text{Al}_2(\text{Mg})_a(\text{OH})_b(\text{CO}_3)_c(\text{G})_d \cdot e\text{H}_2\text{O}$  and a crystallite size in the  $\langle 003 \rangle$  direction of about 190 Å to about 225 Å, and having bidentate coordination for carbonate ion as shown by an infrared spectrum, and wherein  $3 \leq a \leq 5.5$ ;  $8 \leq b \leq 14$ ;  $1.2 \leq c \leq 3$ ;  $0 \leq d \leq 1$ ;  $1 \leq e \leq 10$  and G is a surface active agent into the halogen containing olefin polymer.

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